

## AMENDMENTS TO THE CLAIMS

Claims 1-40 (canceled)

**Claim 41 (Original):** An antenna for transmitting current through biological tissue comprising  
a pair of electrically conductive concave shells facing in opposed directions from each other.

**Claim 42 (Original):** The apparatus of claim 41, including  
said concave shells having convex surfaces generally facing each other, and electrically insulative material disposed on said convex surfaces. **Claim 43 (Original):** The apparatus of claim 42, including said antenna electrodes being asymmetrical.

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said antenna electrodes being asymmetrical.

**Claim 44 (Original):** The apparatus of claim 41, including  
said antennas having a maximum thickness of less than about 4 mm.

**Claim 45 (Original):** The apparatus of claim 43, including  
said antenna having an upper portion that is longer than the lower portion measured along the electrode.

**Claim 46 (Original):** The apparatus of claim 41, including  
said concave shells having a generally circular configuration as viewed in end elevations.

**Claim 47 (Original):** The apparatus of claim 46, including  
said antenna electrodes being generally symmetrical.

**Claim 48 (Original):** The apparatus of claim 41, including  
said concave shells having a generally rectangular configuration as viewed in end elevation.